

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B10/56 B22F7/06 B01J3/06 E21B10/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B B22F B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/38864 A (MFUMA LUCAS MTHANDENI ; MYBURGH JOHAN (ZA); FRIES ROBERT (ZA); SIGALAS) 6 July 2000 (2000-07-06) the whole document	1-8, 10-14
X	US 5 151 107 A (CHEN SY-HWA ET AL) 29 September 1992 (1992-09-29) example 1	1-4, 6-8, 10-14
X	US 5 096 465 A (CHEN SY-HWA ET AL) 17 March 1992 (1992-03-17) example 1	1-4, 6-8, 10-14
X	US 4 694 918 A (HALL DAVID R) 22 September 1987 (1987-09-22) column 6, lines 28-44	1-4, 6-8, 10-14
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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* & * document member of the same patent family

Date of the actual completion of the international search

22 December 2004

Date of mailing of the international search report

03/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Raming, T

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 5 326 380 A (YAO XIAN ET AL) 5 July 1994 (1994-07-05) column 7, lines 7-21; example 1 -----	1-3,8, 11-14
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